

RECREATIONAL INTERPRETATIONS  
Ellis County, Kansas

## Recreation

The soils of the survey area are rated in the following tables according to limitations that affect their suitability for recreation. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the recreational uses. Not limited indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. Slightly limited indicates that the soil has features that are favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. Somewhat limited indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. Very limited indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The ratings in the tables are based on restrictive soil features, such as wetness, slope, and texture of the surface layer. Susceptibility to flooding is considered. Not considered in the ratings, but important in evaluating a site, are the location and accessibility of the area, the size and shape of the area and its scenic quality, vegetation, access to water, potential water impoundment sites, and access to public sewer lines. The capacity of the soil to absorb septic tank effluent and the ability of the soil to support vegetation also are important. Soils that are subject to flooding are limited for recreational uses by the duration and intensity of flooding and the season when flooding occurs. In planning recreational facilities, onsite assessment of the height, duration, intensity, and frequency of flooding is essential.

The information in this table can be supplemented by other information in this survey, for example, interpretations for building site development, construction materials, sanitary facilities, and water management.

Camp areas require site preparation, such as shaping and leveling the tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The ratings are based on the soil properties that affect the ease of developing camp areas and the performance of the areas after development. Slope, stoniness, and depth to bedrock or a cemented pan are the main concerns affecting the development of camp areas.

The soil properties that affect the performance of the areas after development are those that influence trafficability and promote the growth of vegetation, especially in heavily used areas. For good trafficability, the surface of camp areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Picnic areas are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking areas. The ratings are based on the soil properties that affect the ease of developing picnic areas and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of picnic areas. For good trafficability, the surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Playgrounds require soils that are nearly level, are free of stones, and can withstand intensive foot traffic. The ratings are based on the soil properties that affect the ease of developing playgrounds and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of playgrounds. For good trafficability, the surface of the playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Paths and trails for hiking and horseback riding should require little or no slope modification through cutting and filling. The ratings are based on the soil properties that affect trafficability and erodibility. These properties are stoniness, depth to a water table, ponding, flooding, slope, and texture of the surface layer.

Golf fairways are subject to heavy foot traffic and some light vehicular traffic. Cutting or filling may be required. Irrigation is not considered in the ratings. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer. The suitability of the soil for traps, tees, roughs, and greens is not considered in the ratings.

RECREATIONAL INTERPRETATIONS--Continued  
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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
141HM: Harney-----	50	Not limited		Not limited		Somewhat limited Slope	0.87
Mento-----	50	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Slope	0.87
						Restricted permeability	0.39
163AU: Armo-----	60	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Bogue-----	40	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
		Too clayey	0.50	Too clayey	0.50	Too clayey	0.50
		Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
						Depth to bedrock	0.06
163HE: Harney-----	55	Not limited		Not limited		Somewhat limited Slope	0.87
Mento-----	45	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Slope	0.87
						Restricted permeability	0.39
163IC: Inavale-----	100	Very limited Flooding Too sandy	1.00 1.00	Very limited Too sandy	1.00	Very limited Too sandy Flooding Slope	1.00 0.60 0.00
163WX: Wakeen-----	100	Somewhat limited Slope	0.96	Somewhat limited Slope	0.96	Very limited Slope Depth to bedrock	1.00 0.97
163WY: Wakeen-----	55	Not limited		Not limited		Somewhat limited Slope	0.00
Harney-----	45	Not limited		Not limited		Somewhat limited Slope	0.00
165BO: Bogue-----	100	Somewhat limited Too clayey Restricted permeability Slope	0.50 0.45 0.04	Somewhat limited Too clayey Restricted permeability Slope	0.50 0.45 0.04	Very limited Slope Too clayey Restricted permeability Depth to bedrock	1.00 0.50 0.45 0.01
165NW: Nibson-----	55	Very limited Depth to bedrock Slope	1.00 0.84	Very limited Depth to bedrock Slope	1.00 0.84	Very limited Depth to bedrock Slope Gravel content Content of large stones	1.00 1.00 0.11 0.08
Wakeen-----	45	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope Depth to bedrock	1.00 0.29
165PE: Penden-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
165UB: Uly-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
165UR: Uly-----	65	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
Roxbury-----	35	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60
167CR: Crete-----	100	Somewhat limited Restricted permeability	0.05	Somewhat limited Restricted permeability	0.05	Somewhat limited Restricted permeability	0.05
167DR: Dorrance-----	100	Somewhat limited Slope Gravel content	0.16 0.14	Somewhat limited Slope Gravel content	0.16 0.14	Very limited Slope Gravel content	1.00 1.00
167RC: Roxbury-----	100	Very limited Flooding	1.00	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
195BD: Badland-----	70	Not rated		Not rated		Not rated	

RECREATIONAL INTERPRETATIONS--Continued  
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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Manvel-----	30	Somewhat limited Dusty	0.50	Somewhat limited Dusty	0.50	Very limited Slope Dusty	1.00 0.50
195CC: Campus-----	70	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope Depth to bedrock	1.00 0.06
Canlon-----	30	Very limited Depth to bedrock Slope	1.00 1.00	Very limited Depth to bedrock Slope	1.00 1.00	Very limited Depth to bedrock Slope Gravel content	1.00 1.00 0.06
195CF: Carlson-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
195HU: Humbarger-----	100	Very limited Flooding	1.00	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
195IF: Inavale-----	100	Very limited Flooding Too sandy	1.00 0.87	Somewhat limited Too sandy Flooding	0.87 0.40	Very limited Flooding Too sandy	1.00 0.87
195PF: Penden-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
195PO: Penden-----	100	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Ab: Fluents-----	100	Very limited Flooding	1.00	Somewhat limited Flooding	0.40	Very limited Flooding Slope	1.00 0.87
Ac: New Cambria-----	100	Very limited Flooding Too clayey Restricted permeability	1.00 0.50 0.39	Somewhat limited Too clayey Flooding Restricted permeability	0.50 0.40 0.39	Very limited Flooding Too clayey Restricted permeability	1.00 0.50 0.39
Ad: Fluvaquents-----	100	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60
Ae: Anselmo-----	100	Not limited		Not limited		Somewhat limited Slope	0.50
Am: Armo-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
An: Armo-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
Ao: Armo-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
Ar: Armo-----	100	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Bf: Boel-----	100	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60
Bg: Bogue-----	100	Somewhat limited Too clayey Restricted permeability	0.50 0.45	Somewhat limited Too clayey Restricted permeability	0.50 0.45	Very limited Slope Too clayey  Restricted permeability Depth to bedrock	1.00 0.50  0.45 0.29
Bo: Bogue-----	60	Very limited Slope Too clayey Restricted permeability	1.00 0.50 0.45	Very limited Slope Too clayey Restricted permeability	1.00 0.50 0.45	Very limited Slope Too clayey Restricted permeability Depth to bedrock	1.00 0.50 0.45 0.29
Armo-----	40	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope	1.00
BOP: Borrow Pits-----	100	Not rated		Not rated		Not rated	
Br: Brownell-----	100	Somewhat limited		Somewhat limited		Very limited	

RECREATIONAL INTERPRETATIONS--Continued  
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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Gravel content	0.71	Gravel content	0.71	Gravel content Slope Depth to bedrock Content of large stones	1.00 1.00 0.46 0.08
Cc: Campus-----	65	Not limited		Not limited		Somewhat limited Slope Depth to bedrock	0.87 0.20
Carlson-----	35	Not limited		Not limited		Somewhat limited Slope	0.87
Cd: Campus-----	55	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope Depth to bedrock	1.00 0.20
Penden-----	45	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope	1.00
Ce: Canlon-----	60	Very limited Depth to bedrock Slope	1.00 1.00	Very limited Depth to bedrock Slope	1.00 1.00	Very limited Depth to bedrock Slope Gravel content	1.00 1.00 0.06
Campus-----	40	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope Depth to bedrock	1.00 0.20
Cm: Corinth-----	100	Somewhat limited Restricted permeability	0.05	Somewhat limited Restricted permeability	0.05	Somewhat limited Restricted permeability Slope	0.05 0.00
Cn: Corinth-----	100	Somewhat limited Restricted permeability	0.05	Somewhat limited Restricted permeability	0.05	Somewhat limited Slope Depth to bedrock Restricted permeability	0.87 0.46 0.05
Co: Corinth-----	100	Somewhat limited Slope Restricted permeability	0.37 0.05	Somewhat limited Slope Restricted permeability	0.37 0.05	Very limited Slope Depth to bedrock Restricted permeability	1.00 0.46 0.05
Cr: Crete-----	100	Somewhat limited Restricted permeability	0.05	Somewhat limited Restricted permeability	0.05	Somewhat limited Restricted permeability	0.05
De: Detroit-----	100	Very limited Flooding Restricted permeability	1.00 0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39
Ee: Eltree-----	100	Not limited		Not limited		Not limited	
Ef: Eltree-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Eg: Eltree-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
Eh: Eltree-----	100	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
GRP: Pits-----	100	Not rated		Not rated		Not rated	
Ha: Harney-----	100	Not limited		Not limited		Not limited	
Hb: Harney-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Hc: Harney-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
Hd: Harney-----	100	Not limited		Not limited		Somewhat limited Slope	0.50
He: Armo-----	50	Not limited		Not limited		Somewhat limited	

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Harney-----	50	Not limited		Not limited		Slope Somewhat limited Slope	0.87 0.87
Hf: Carlson-----	50	Not limited		Not limited		Not limited	
Harney-----	50	Not limited		Not limited		Not limited	
Hg: Carlson-----	50	Not limited		Not limited		Somewhat limited Slope	0.00
Harney-----	50	Not limited		Not limited		Somewhat limited Slope	0.00
HGG: Harney-----	70	Not limited		Not limited		Somewhat limited Slope	0.00
Mento-----	30	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability Slope	0.39 0.00
Hh: Harney-----	70	Not limited		Not limited		Not limited	
Wakeen-----	30	Not limited		Not limited		Not limited	
Hk: Harney-----	60	Not limited		Not limited		Somewhat limited Slope	0.00
Wakeen-----	40	Not limited		Not limited		Somewhat limited Slope	0.00
Hl: Armo-----	50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Heizer-----	50	Very limited Depth to bedrock Slope Gravel content	1.00 1.00 0.71	Very limited Depth to bedrock Slope Gravel content	1.00 1.00 0.71	Very limited Slope Depth to bedrock Gravel content Content of large stones	1.00 1.00 1.00 1.00 0.08
HMM: Heizer-----	60	Very limited Depth to bedrock Slope Gravel content	1.00 1.00 0.71	Very limited Depth to bedrock Slope Gravel content	1.00 1.00 0.71	Very limited Slope Depth to bedrock Gravel content Content of large stones	1.00 1.00 1.00 1.00 0.08
Brownell-----	40	Somewhat limited Gravel content Slope	0.71 0.16	Somewhat limited Gravel content Slope	0.71 0.16	Very limited Gravel content Slope Depth to bedrock Content of large stones	1.00 1.00 0.90 0.08
Hn: Dorrance-----	100	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope	1.00
Ho: Holdrege-----	100	Not limited		Not limited		Not limited	
Hp: Holdrege-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Hr: Hord-----	100	Very limited Flooding	1.00	Not limited		Not limited	
In: Inavale-----	100	Very limited Flooding Too sandy	1.00 0.87	Somewhat limited Too sandy	0.87	Somewhat limited Slope Too sandy Flooding	0.87 0.87 0.60
Mc: Mccook-----	100	Very limited Flooding	1.00	Not limited		Not limited	
Md: Mccook-----	100	Very limited Flooding	1.00	Not limited		Not limited	
Me: Mento-----	100	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39
Mf: Mento-----	100	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability Slope	0.39 0.00
Mg: Mento-----	100	Somewhat limited		Somewhat limited		Somewhat limited	

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Mo: Mento-----	100	Restricted permeability	0.39	Restricted permeability	0.39	Restricted permeability Slope	0.39
		Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Slope	0.87
						Restricted permeability	0.39
Mu: Munjoy-----	100	Very limited Flooding	1.00	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
Nc: New Cambria-----	100	Very limited Flooding Too clayey	1.00 0.50	Somewhat limited Too clayey Restricted permeability	0.50 0.39	Somewhat limited Too clayey Restricted permeability	0.50 0.39
		Restricted permeability	0.39				
Nn: Nibson-----	100	Very limited Depth to bedrock Slope	1.00 0.04	Very limited Depth to bedrock Slope	1.00 0.04	Very limited Depth to bedrock Slope Gravel content Content of large stones	1.00 1.00 0.11 0.08
Rb: Roxbury-----	100	Very limited Flooding	1.00	Not limited		Not limited	
Rf: Roxbury-----	100	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60
RIV: Riverwash And Sandbars-----	100	Not rated		Not rated		Not rated	
Ro: Heizer-----	77	Very limited Depth to bedrock Slope Gravel content	1.00 1.00 0.71	Very limited Depth to bedrock Slope Gravel content	1.00 1.00 0.71	Very limited Slope Depth to bedrock Gravel content Content of large stones	1.00 1.00 1.00 0.08
Brownell-----	23	Somewhat limited Gravel content Slope	0.71 0.00	Somewhat limited Gravel content Slope	0.71 0.00	Very limited Gravel content Slope Depth to bedrock Content of large stones	1.00 1.00 0.29 0.08
ROO: Roxbury-----	100	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60
UCC: Uly-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
W: Water-----	100	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope Restricted permeability	1.00 1.00
Wa: Wakeen-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
We: Wakeen-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Wh: Wakeen-----	100	Not limited		Not limited		Somewhat limited Slope Depth to bedrock	0.87 0.46
Wk: Wakeen-----	100	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope Depth to bedrock	1.00 0.97
Wn: Wann-----	100	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
141HM:					
Harney-----	50	Not limited		Not limited	
Mento-----	50	Not limited		Not limited	
163AU:					
Armo-----	60	Not limited		Somewhat limited	
Bogue-----	40	Somewhat limited	0.50	Slope	0.37
		Too clayey		Very limited	
				Too clayey	1.00
				Slope	0.63
				Depth to bedrock	0.06
				Droughty	0.02
163HE:					
Harney-----	55	Not limited		Not limited	
Mento-----	45	Not limited		Not limited	
163IC:					
Inavale-----	100	Very limited	1.00	Somewhat limited	
		Too sandy		Flooding	0.60
				Droughty	0.13
163WX:					
Wakeen-----	100	Not limited		Somewhat limited	
				Depth to bedrock	0.97
				Slope	0.96
163WY:					
Wakeen-----	55	Not limited		Somewhat limited	
				Depth to bedrock	0.03
Harney-----	45	Not limited		Not limited	
165BO:					
Bogue-----	100	Somewhat limited	0.50	Very limited	
		Too clayey		Too clayey	1.00
				Droughty	0.92
				Slope	0.04
				Depth to bedrock	0.01
165NW:					
Nibson-----	55	Not limited		Very limited	
				Depth to bedrock	1.00
				Slope	0.84
				Content of large	0.08
				stones	
				Droughty	0.02
Wakeen-----	45	Not limited		Somewhat limited	
				Slope	0.63
				Depth to bedrock	0.29
165PE:					
Penden-----	100	Not limited		Not limited	
165UB:					
Uly-----	100	Not limited		Not limited	
165UR:					
Uly-----	65	Not limited		Somewhat limited	
				Slope	0.04
Roxbury-----	35	Not limited		Somewhat limited	
				Flooding	0.60
167CR:					
Crete-----	100	Not limited		Not limited	
167DR:					
Dorrance-----	100	Not limited		Somewhat limited	
				Droughty	0.56
				Slope	0.16
				Gravel content	0.14
167RC:					
Roxbury-----	100	Somewhat limited	0.40	Very limited	
		Flooding		Flooding	1.00
195BD:					
Badland-----	70	Not rated		Not rated	
Manvel-----	30	Somewhat limited	0.50	Not limited	
		Dusty			
195CC:					
Campus-----	70	Not limited		Somewhat limited	
				Slope	0.37
				Depth to bedrock	0.06
Canlon-----	30	Somewhat limited	0.18	Very limited	
		Slope		Depth to bedrock	1.00
				Slope	1.00
				Droughty	0.10
195CF:					
Carlson-----	100	Not limited		Not limited	
195HU:					
Humbarger-----	100	Somewhat limited	0.40	Very limited	
		Flooding		Flooding	1.00
195IF:					
Inavale-----	100	Somewhat limited		Very limited	

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
		Too sandy Flooding	0.87 0.40	Flooding Droughty	1.00 0.21
195PF: Penden-----	100	Not limited		Not limited	
195PO: Penden-----	100	Not limited		Somewhat limited Slope	0.37
Ab: Fluents-----	100	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
Ac: New Cambria-----	100	Somewhat limited Too clayey Flooding	0.50 0.40	Very limited Flooding Too clayey	1.00 1.00
Ad: Fluvaquents-----	100	Not limited		Somewhat limited Flooding	0.60
Ae: Anselmo-----	100	Not limited		Not limited	
Am: Armo-----	100	Not limited		Not limited	
An: Armo-----	100	Not limited		Not limited	
AO: Armo-----	100	Not limited		Not limited	
Ar: Armo-----	100	Not limited		Somewhat limited Slope	0.37
Bf: Boel-----	100	Not limited		Somewhat limited Flooding	0.60
Bg: Bogue-----	100	Somewhat limited Too clayey	0.50	Very limited Too clayey Depth to bedrock Droughty	1.00 0.29 0.18
Bo: Bogue-----	60	Somewhat limited Too clayey Slope	0.50 0.00	Very limited Too clayey Slope Droughty Depth to bedrock	1.00 1.00 0.88 0.29
Armo-----	40	Not limited		Somewhat limited Slope	0.16
BOP: Borrow Pits-----	100	Not rated		Not rated	
Br: Brownell-----	100	Not limited		Very limited Carbonate content Gravel content Depth to bedrock Droughty Content of large stones	1.00 0.71 0.46 0.29 0.08
Cc: Campus-----	65	Not limited		Somewhat limited Depth to bedrock	0.20
Carlson-----	35	Not limited		Not limited	
Cd: Campus-----	55	Not limited		Somewhat limited Depth to bedrock Slope	0.20 0.16
Penden-----	45	Not limited		Somewhat limited Slope	0.16
Ce: Canlon-----	60	Somewhat limited Slope	0.00	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.85
Campus-----	40	Not limited		Somewhat limited Depth to bedrock Slope	0.20 0.16
Cm: Corinth-----	100	Not limited		Somewhat limited Depth to bedrock	0.46
Cn: Corinth-----	100	Not limited		Somewhat limited Depth to bedrock	0.46

RECREATIONAL INTERPRETATIONS--Continued  
Ellis County, Kansas

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Co: Corinth-----	100	Not limited		Somewhat limited Depth to bedrock Slope	0.46 0.37
Cr: Crete-----	100	Not limited		Not limited	
De: Detroit-----	100	Not limited		Not limited	
Ee: Eltree-----	100	Not limited		Not limited	
Ef: Eltree-----	100	Not limited		Not limited	
Eg: Eltree-----	100	Not limited		Not limited	
Eh: Eltree-----	100	Not limited		Somewhat limited Slope	0.37
GRP: Pits-----	100	Not rated		Not rated	
Ha: Harney-----	100	Not limited		Not limited	
Hb: Harney-----	100	Not limited		Not limited	
Hc: Harney-----	100	Not limited		Not limited	
Hd: Harney-----	100	Not limited		Not limited	
He: Armo-----	50	Not limited		Not limited	
He: Harney-----	50	Not limited		Not limited	
Hf: Carlson-----	50	Not limited		Not limited	
Hf: Harney-----	50	Not limited		Not limited	
Hg: Carlson-----	50	Not limited		Not limited	
Hg: Harney-----	50	Not limited		Not limited	
HGG: Harney-----	70	Not limited		Not limited	
HGG: Mento-----	30	Not limited		Not limited	
Hh: Harney-----	70	Not limited		Not limited	
Hh: Wakeen-----	30	Not limited		Somewhat limited Depth to bedrock	0.06
Hk: Harney-----	60	Not limited		Not limited	
Hk: Wakeen-----	40	Not limited		Somewhat limited Depth to bedrock	0.06
Hl: Armo-----	50	Not limited		Somewhat limited Slope	0.63
Heizer-----	50	Somewhat limited Slope	0.08	Very limited Depth to bedrock Droughty Slope Carbonate content Gravel content	1.00 1.00 1.00 1.00 0.71
HMM: Heizer-----	60	Somewhat limited Slope	0.32	Very limited Depth to bedrock Droughty Slope Carbonate content Gravel content	1.00 1.00 1.00 1.00 0.71
Brownell-----	40	Not limited		Very limited Carbonate content Depth to bedrock Droughty Gravel content Slope	1.00 0.90 0.75 0.71 0.16
Hn: Dorrance-----	100	Not limited		Somewhat limited Droughty Slope	0.35 0.16
Ho: Holdrege-----	100	Not limited		Not limited	
Hp: Holdrege-----	100	Not limited		Not limited	

RECREATIONAL INTERPRETATIONS--Continued  
Ellis County, Kansas

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Hr:					
Hord-----	100	Not limited		Not limited	
In:					
Inavale-----	100	Somewhat limited Too sandy	0.87	Somewhat limited Flooding Droughty	0.60 0.08
Mc:					
Mccook-----	100	Not limited		Not limited	
Md:					
Mccook-----	100	Not limited		Not limited	
Me:					
Mento-----	100	Not limited		Not limited	
Mf:					
Mento-----	100	Not limited		Not limited	
Mg:					
Mento-----	100	Not limited		Not limited	
Mo:					
Mento-----	100	Not limited		Not limited	
Mu:					
Munjoy-----	100	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
Nc:					
New Cambria-----	100	Somewhat limited Too clayey	0.50	Very limited Too clayey	1.00
Nn:					
Nibson-----	100	Not limited		Very limited Depth to bedrock Content of large stones Slope Droughty	1.00 0.08 0.04 0.00
Rb:					
Roxbury-----	100	Not limited		Not limited	
Rf:					
Roxbury-----	100	Not limited		Somewhat limited Flooding	0.60
RIV:					
Riverwash And Sandbars-----	100	Not rated		Not rated	
Ro:					
Heizer-----	77	Somewhat limited Slope	0.32	Very limited Depth to bedrock Droughty Slope Gravel content Content of large stones	1.00 1.00 1.00 0.71 0.08
Brownell-----	23	Not limited		Somewhat limited Gravel content Depth to bedrock Droughty Content of large stones Slope	0.71 0.29 0.15 0.08 0.00
ROO:					
Roxbury-----	100	Not limited		Somewhat limited Flooding	0.60
UCC:					
Uly-----	100	Not limited		Not limited	
W:					
Water-----	100	Very limited Slope Water erosion	1.00 1.00	Very limited Slope	1.00
Wa:					
Wakeen-----	100	Not limited		Somewhat limited Depth to bedrock	0.35
We:					
Wakeen-----	100	Not limited		Somewhat limited Depth to bedrock	0.46
Wh:					
Wakeen-----	100	Not limited		Somewhat limited Depth to bedrock	0.46
Wk:					
Wakeen-----	100	Not limited		Somewhat limited Depth to bedrock Slope	0.97 0.16
Wn:					
Wann-----	100	Not limited		Somewhat limited Flooding	0.60